

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	7	"552453".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/12/14 12:26
L3	17	("4272790"   "4887263"   "5150363"   "5533029"   "5550825"   "5592485"). PN. OR ("5859845"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/14 14:12
L4	9	3 and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/14 14:13
L5	294536	YAZAKI.AS. OR (NAGASAWA OR OZAKI OR SHIMIZU).IN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/12/14 14:14
L6	12	5 and vehicle and protocol and lin	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/12/14 14:14
L7	19	5 and vehicle and protocol and harness	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/12/14 14:15
L8	10	("20020099487"   "20030037542"   "20030129457"   "20030144784"   "5056023"   "5790419"   "5957985"   "6396227"   "6902433"   "6972375"). PN. OR ("7356714"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/14 14:17
S1	6	"552453".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2008/11/24 15:46
S2	43762	yazaki.as.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2008/11/24 15:54
S3	45	S2 and protocol and vehicle	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2008/11/24 15:57

S4	9235	(vehicle same ((ECU or processor or microprocessor or controller) same ((can with bus) or "controlled area network" or bus)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2008/11/25 12:50
S5	932	(vehicle same ((ECU or processor or microprocessor or controller) same (((can with bus) or "controlled area network" or bus) same protocol)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2008/11/25 12:50
S6	0	S5 and (corner\$4 with light) and ((wiper or windshield wiper) with fluid)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2008/11/25 12:51
S7	5	S5 and (corner\$4 with light)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2008/11/25 12:51
S8	331	S5 and ((corner\$4 or turn \$4) with (light or signal \$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2008/11/25 12:51
S9	81	S5 and ((corner\$4 or turn \$4) with (light or signal \$4)) and (fluid with (amount or level))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2008/11/25 12:52
S10	5	S9 and (conver\$ with protocol)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2008/11/25 12:52
S11	1	S9 and (transduc\$ with protocol)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2008/11/25 12:54
S12	18	S5 and ((corner\$4 or turn \$4) with (light or signal \$4)) and (fluid with (amount or level)) not breed.in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2008/11/25 12:55
S13	6	"875103".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2008/11/25 12:59
S14	7	"975103".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2008/11/25 12:59

S15	14	(US-20030109987-\$ or US-20030095049-\$).did. or (US-7102496-\$ or US-6994562-\$ or US-6747982-\$ or US-6700795-\$ or US-6665310-\$ or US-6522935-\$ or US-6272135-\$ or US-6167061-\$ or US-5978352-\$ or US-5859845-\$ or US-6359554-\$ or US-6273771-\$).did.	US-PGPUB; USPAT	OR	ON	2008/11/25 13:30
S16	3	S15 and ("load control" with connector)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2008/11/25 13:31
S17	6	"420021".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2008/11/25 13:54
S18	6	"552453".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2008/11/28 14:12
S19	418	(clearance with (lamp or light)) and (corner\$4 with (lamp or light))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2008/11/28 14:13
S20	167	S19 and vehicle	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2008/11/28 14:13
S21	3	S20 and ecu	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2008/11/28 14:13
S22	21664	(corner\$4 with (lamp or light))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2008/11/28 14:14
S23	366	(corner\$4 with (lamp or light)) same (controller or ecu)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2008/11/28 14:15
S24	74	((corner\$4 with (lamp or light)) same (controller or ecu) same vehicle)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2008/11/28 14:15
S25	13	("4272790"   "4887263"   "5150363"   "5533029"   "5550825"   "5592485"). PN. OR ("5859845"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/28 14:43

S26	8	S25 and protocol	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/28 14:43
S27	1	"4156151".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/28 14:44
S28	1	"5990573".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/28 14:44
S29	1	"6420979".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/28 14:45
S30	2	"20020065594"	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/28 14:45
S31	1	"5670845".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/28 14:45
S32	1	"5508689".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/28 14:46
S33	1	"6485155".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/28 14:46
S34	1	"10552453"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2009/06/23 16:19
S35	15	("4272790"   "4887263"   "5150363"   "5533029"   "5550825"   "5592485"). PN. OR ("5859845"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/24 14:01
S36	9	S35 and ((bus or communicat\$4) with line)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/24 14:01
S37	5	S36 and protocol	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/24 14:01
S38	3	"20030055942"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2009/06/24 14:02
S39	7	("4484258"   "4510565"   "4853888"   "4855896"   "5249115"   "5438506"). PN. OR ("6522935"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/24 14:03
S40	9	("5079759"   "5117421"   "5251211"   "5272699"   "5375120").PN. OR ("5978352").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/24 14:04
S41	4	S40 and ((bus or communicat\$4) with line) and protocol	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/24 14:04
S42	106343	yazaki.as. or (nagasawa or ozaki or shimzu).in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2009/06/24 14:24

S43	11	S42 and ((bus or communicat\$4) with line) and protocol and vehicle and load	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/24 14:25
S44	4	"3927752".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2009/06/24 17:28
S45	6095	(protocol same (multiplex \$4 or demultiplex\$4) same ((switch\$4 or convert\$4 or chang\$4 or alter\$4 or modify\$4 or convert\$4 or conversion) with protocol))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/01/04 11:23
S46	16	((protocol same (multiplex \$4 or demultiplex\$4) same ((switch\$4 or convert\$4 or chang\$4 or alter\$4 or modify\$4 or convert\$4 or conversion) with protocol)) same vehicle same (ECU or processor or controller))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/01/04 11:23
S47	2	"6608554".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/01/04 11:39
S48	2	"20020060625"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/01/04 11:39
S49	2	("2002/0060625").URPN.	USPAT	OR	ON	2010/01/04 12:28
S50	9	("5079759"   "5117421"   "5251211"   "5272699"   "5375120").PN. OR ("5978352").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/04 12:29
S51	4	S50 and protocol	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/04 12:29
S52	109026	yazaki.as. or (nagasawa or ozaki or shimzu).in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/01/04 12:31
S53	39	S52 and "bus" and (vehicle with (controller or ecu or processor)) and load	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/01/04 12:32

S54	1	S53 and ((protocol same (multiplex\$4 or demultiplex\$4) same ((switch\$4 or convert\$4 or chang\$4 or alter\$4 or modify\$4 or convert\$4 or conversion) with protocol)) same vehicle same (ECU or processor or controller))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/01/04 12:32
S55	6	"552453".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/24 15:00
S56	1239	(lin with (protocol or bus)) and (can with (protocol or bus))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/24 15:06
S57	376	(lin with (protocol or bus)) and ((controller with area with network) with (protocol or bus))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/24 15:08
S58	314	S57 and (vehicle with control\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/24 15:09
S59	36	S58 and ((translat\$4 or convert\$4 or conversion) with protocol)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/24 15:09
S60	1708	((lin or "d2b" or media) with (protocol or bus)) and ((controller with area with network) with (protocol or bus))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/24 15:16
S61	349	S60 and ((translat\$4 or convert\$4 or conversion) with protocol)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/24 15:16
S62	90	S61 and (vehicle with control\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/24 15:16
S63	1086	"9" and (((slow and fast) with (speed or rate)) with (transmit\$4 or transmission))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/24 15:17
S64	0	S62 and (((slow and fast) with (speed or rate)) with (transmit\$4 or transmission))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/24 15:17

S65	1708	((lin or "d2b" or "media") with (protocol or bus)) and ((controller with area with network) with (protocol or bus))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/24 15:19
S66	14183	(controller-area or "controller area" or van or flexray or lin or j1939 or iso or "media oriented" or d2b or keyword or dc-bus or idb or smartwirex or j1850 or j1708 or j1587 or spi or iic) with protocol	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/25 11:22
S67	823	((controller-area or "controller area" or van or flexray or lin or j1939 or iso or "media oriented" or d2b or keyword or dc-bus or idb or smartwirex or j1850 or j1708 or j1587 or spi or iic) with protocol) same ((convert\$4 or conversion or transform\$4 or transformation) same (command or input or signal or data))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/25 11:23
S68	142	S67 and (((high and low) with (speed or rate)) same protocol)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/25 11:24
S69	62	S68 and ((ECU or processor) with (intercommunicat\$4 or communicat\$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/25 11:25
S70	8073	((controller-area or "controller area" or van or flexray or lin or j1939 or iso or "media oriented" or d2b or keyword or dc-bus or idb or smartwirex or j1850 or j1708 or j1587 or spi or iic) with protocol) same (command or input or signal or data)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/25 11:37
S71	1486	S70 and (vehicle same (ecu or controller or processor))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/25 11:37
S72	63	S71 and (((high and low) with (speed or rate)) same protocol)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/25 11:37

S73	2	"6420797".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/25 11:42
S74	545	(vehicle with (multiple or plurality) with protocol)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/28 11:09
S75	46	(vehicle with (processor or ECU) with (multiple or plurality) with protocol)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/28 11:09
S76	13	(vehicle with (processor or ECU) with (multiple or plurality) with protocol) same (bus or (sub adj bus))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/28 11:09
S77	17	("4272790"   "4887263"   "5150363"   "5533029"   "5550825"   "5592485"). PN. OR ("5859845"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/28 11:18
S78	4	S77 and vehicle and protocol	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/28 11:19
S79	6	"552453".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/28 11:22
S80	5	"2002003781"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/28 12:05
S81	2	"20020003781"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/28 12:05
S82	39	(US-20030109987-\$ or US-20030095049-\$ or US-20030055942-\$ or US-20090102626-\$ or US-20020060625-\$ or US-20050143884-\$ or US-20040176935-\$ or US-20050080517-\$ or US-20100020816-\$ or US-20090138749-\$ or US-20040037313-\$ or US-20060208873-\$ or US-20060106514-\$ or US-20020003781-\$).did. or (US-6700795-\$ or US-6522935-\$ or US-6272135-\$ or US-6167061-\$ or US-	US-PGPUB; USPAT	OR	ON	2010/06/28 13:24



		5978352-\$ or US-5859845-\$ or US-6359554-\$ or US-6273771-\$ or US-7253566-\$ or US-5592485-\$ or US-5990573-\$ or US-5670845-\$ or US-5508689-\$ or US-5533029-\$ or US-6321148-\$ or US-6301508-\$ or US-5251211-\$ or US-5675189-\$ or US-6338010-\$ or US-5732074-\$ or US-6023232-\$ or US-7275027-\$ or US-6420797-\$ or US-5995512-\$ or US-5726638-\$).did.				
S83	3	S82 and lin	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/28 13:24
S84	1595	(lin same vehicle)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/28 13:24
S85	349	(lin same vehicle) same protocol	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/28 13:24
S86	53	(lin same vehicle) same protocol same (processor or ecu)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/28 13:25
S87	12	lin with "iso 9141"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/28 13:31
S88	2	("2002/0003781").URPN.	USPAT	OR	ON	2010/06/28 14:15
S89	289106	YAZAKI.AS. OR (NAGASAWA OR OZAKI OR SHIMIZU).IN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/28 14:21
S90	11	S89 AND vehicle and protocol and lin	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2010/06/28 14:21

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